

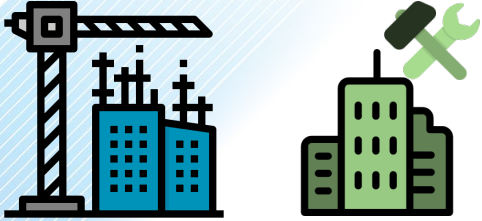


# Briefing Sessions on the Buildings Energy Efficiency Ordinance (Cap. 610) for Registered Energy Assessors

Proposed Legislative Amendment on the BEEO

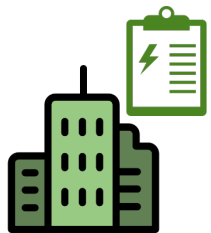
# Regulatory Scope

## Regulatory Requirements



The building services installations (BSI)\* of New Constructed Building or Existing Building undergoing Major Retrofitting Works shall comply with the Building Energy Code

*\* Building services installations include: Air-conditioning, electrical, lift & escalator and lighting installation*



Existing Building shall conduct energy audit for central BSI at intervals no longer than 10 years

## Regulatory Scope

13 types of buildings

Listed in [Schedule 1](#) of BEEO

1. Commercial building
2. Composite building – portion not for residential or industrial use
3. Hotel or guesthouse
4. Residential building – common area
5. Composite building – common area of portion for residential or industrial use
6. Industrial building – common area
7. Educational building
8. Community building
9. Municipal building
10. Medical and health care building
11. Government function building
12. Passenger terminal building of airport
13. Railway station

2 types of buildings

Listed in [Schedule 4](#) of BEEO

1. Commercial building
2. Composite building - portion for commercial use

# Regulatory Scope

## Regulatory Requirements



Building owner must exhibit a copy of specified Energy Audit Form in a conspicuous position at main entrance of the building after energy audit



To facilitate developer, owner or responsible person of buildings to comply the regulatory requirements, the BEEO established the role of Registered Energy Assessor (REA).

## Regulatory Scope

Key information displayed:

- ❑ Particulars of building
- ❑ Electricity Utilization Index (kWh/m<sup>2</sup>)
- ❑ Completion date of energy audit

### BEE (REA) Regulation Cap.610B

One of the criteria in consider to accept the application for registration as REA is that the applicant is a Registered Professional Engineer or corporate member of the Hong Kong Institution of Engineers in the following disciplines:

- Electrical;
- Mechanical;
- Environmental; or
- Building Services.

# Further Enhancement



The Hong Kong Special Administrative Region  
of the People's Republic of China

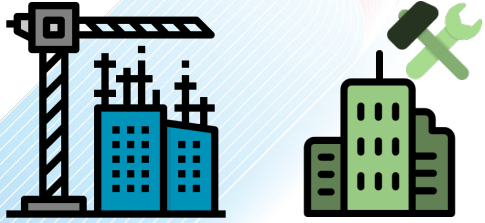
**The Chief Executive's  
2023 Policy Address**

2023.10.25

**154.** In order to achieve the “dual carbon” targets, the Government is striving to achieve carbon neutrality before 2050 and reduce Hong Kong’s carbon emissions by 50% before 2035 as compared to the 2005 level. The Government has established the Office of Climate Change and Carbon Neutrality to help achieve the carbon neutrality targets of our country and Hong Kong, and tackle the carbon emission problem at source. We will:

- (i) enhance energy conservation and decarbonisation in buildings – We will consult the trade this year on the proposal of amending the Buildings Energy Efficiency Ordinance, including extending the scope of regulation to more types of buildings, mandating the disclosure of information in energy audit reports, and shortening the interval of energy audit. Our target is to commence the legislative exercise next year;

# Proposed Amendments in the BEEO



## Regulatory Scope:

The building services installations (BSI)\* of New Constructed Building or Existing Building undergoing Major Retrofitting Works shall comply with the Building Energy Code (BEC)

Currently, BEEO govern **13** types of buildings

1. Commercial building
2. Composite building – portion not for residential or industrial use
3. Hotel or guesthouse
4. Residential building – common area
5. Composite building – common area of portion for residential or industrial use
6. Industrial building – common area
7. Educational building
8. Community building
9. Municipal building
10. Medical and health care building
11. Government function building
12. Passenger terminal building of airport
13. Railway station



Amend Schedule 1  
of the BEEO

to  
add: 14. building or part of the building that is occupied principally as data centre

# Proposed Amendments in the BEEO



## Regulatory Scope:

Existing Building shall conduct energy audit for central BSI at intervals no longer than **10** years shall comply with the Energy Audit Code (EAC)



amendment to  
Shorten the Energy Audit  
Interval to **5** years

## Currently, BEEO govern **2** types of buildings

1. Commercial building
2. Composite building - portion for commercial use

### to add:

3. building or part of the building that is occupied principally as data centre
4. Hotel
5. Educational building
6. Community building
7. Municipal building
8. Medical and health care building
9. Government function building
10. Passenger terminal building of airport
11. Railway station



Amend Schedule 4  
of the BEEO

# Proposed Amendments in the BEEO



First energy audit for the newly added buildings in Schedule 4



amend Schedule 5 of the BEEO

**Add time table** for the first energy audit of buildings (for the newly added 9 types of buildings) without issued with COCR:

Date of issue of occupation approval	Period within which the first energy audit must be carried out
On or after 1 January 1988	12 months from the commencement of BEEO amendment
After 31 December 1977 but before 1 January 1988	24 months from the commencement of BEEO amendment
After 31 December 1969 but before 1 January 1978	36 months from the commencement of BEEO amendment
On or before 31 December 1969	48 months from the commencement of BEEO amendment



# Proposed Amendments in the BEEO



## Regulatory Scope:

Building owner must exhibit a copy of specified Energy Audit Form in a conspicuous position at main entrance of the building after energy audit

Currently, the Key information already displayed in the Form EE5:

- Particulars of building
- Electricity Utilization Index (EUI) of CBSI
- Completion date of energy audit

## amend Part 4 of the BEEO

To disclose the technical information of the energy audit report under a specified form in EMSD website

- Technical information may include:
  - energy efficiency coefficient of major equipment
  - year of service of major equipment
  - control system of major equipment
  - identified EMO
- The specified form would be developed / updated in collaboration with the trade



# Proposed Amendments in the BEEO



## Regulatory Scope:

To facilitate developer, owner or responsible person of buildings to comply the regulatory requirements, the BEEO established the role of Registered Energy Assessor (REA).

## Currently, BEE (REA) Regulation Cap.610B specified:

One of the criteria in consider to accept the application for registration as REA is that the applicant is a Registered Professional Engineer or corporate member of the Hong Kong Institution of Engineers in the following disciplines:

- Electrical;
- Mechanical;
- Environmental; or
- Building Services.



amend Part 2 and Part 3 of the BEE(REA)R; and Part 8 of the BEEO

## To add: Energy Discipline

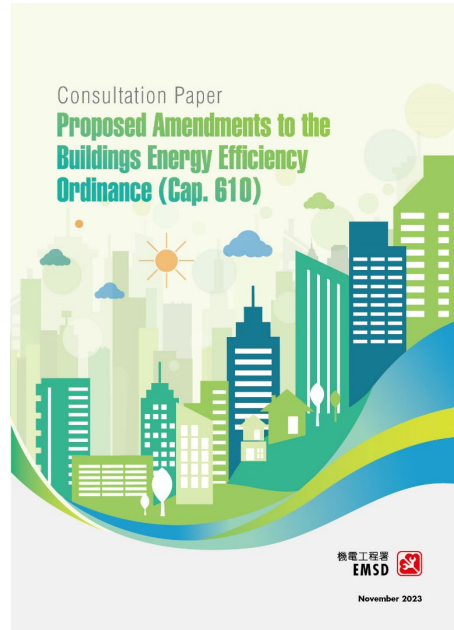
- ❑ As one of the criteria in consider to accept the application for registration as REA
- ❑ As one of the MHKIE disciplines for the compositions of appointing members of the Disciplinary Board Panel and Appeal Board Panel

# Proposed Transitional Arrangement



To enable the stakeholders to make necessary preparation, it is proposed to introduce a transitional period of 12 months after the gazette of the amended Buildings Energy Efficiency Ordinance.

# Progress of Preparation Work



- ❑ 2-month trade consultation was launched on 15 Nov 2023 and closed on 15 Jan 2024
- ❑ Trade consultation meetings were also held in Nov 2023 and Dec 2023 (with participation by representatives from the relevant Government bureaux and departments, trade associations, professional bodies, property management sector, developers and the Chambers of Commerce.)
- ❑ The responses from the trade are under review

# Achievement in BEEO

## BEEO Submissions and REA

2,600

Energy Audit Reports

1,100

Registered Energy Assessors



14,000

Major Retrofitting Works in Existing Buildings

2,200

New Buildings

(Approximate nos. as at Dec 2023)



## 全民「築」動節能綠建邁向碳中和 Public Engagement in Energy Saving and Green Buildings for Striving Towards Carbon Neutrality



詳情請參閱以下網址  
For details, please refer to the following website:



# Thank You

